



Attorney's Docket No.: 14184-039001 / MIC-008UTL

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mark G. Currie et al.  
Serial No. : 10/766,735  
Filed : January 28, 2004  
Title : METHODS AND COMPOSITIONS FOR THE TREATMENT OF  
GASTROINTESTINAL DISORDERS

Art Unit : Unknown

Examiner : Unknown

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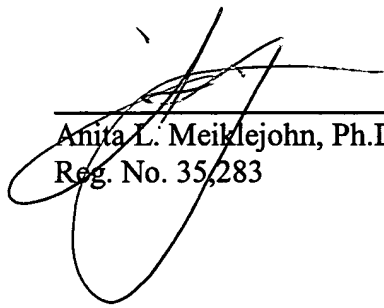
Applicants submit the references listed on the attached form PTO-1449. Only copies of the non-U.S. Patent publications are enclosed.

This statement is being filed before the receipt of a first Office Action on the merits.

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Respectfully submitted,

Date: 30 November 2004

  
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14184-039001	Application No. 10/766,735
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Mark G. Currie et al.	
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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,395,490	3/7/1995	Hoff	204	132	
	AB	5,140,102	8/18/1992	Currie	530	326	
	AC						

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AE	Amarante et al., "The $\kappa$ -opioid agonist ( $\pm$ )-bremazocine elicits peripheral antinociception by activation of the L-arginine/nitric oxide/cyclic GMP pathway" <u>European Journal of Pharmacology</u> , Vol. 454: pages 19-23 (2002).
	AF	Arita et al., "Purification and characterization of a heat-stable enterotoxin of <i>Vibrio mimicus</i> " <u>FEMS Microbiology Letters</u> , Vol. 79/1: pages 105-110 (1991).
	AG	Chan et al., "Amino Acid Sequence of Heat-stable Enterotoxin Produced by <i>Escherichia coli</i> Pathogenic for Man" <u>The Journal of Biological Chemistry</u> , Vol. 256, No. 15: pages 7744-7746 (1981).
	AH	Forte et al., "Lymphoguanylin: Cloning and Characterization of a Unique Member of the Guanylin Peptide Family" <u>Endocrinology</u> , Vol. 140, No. 4: pages 1800-1806 (1999).
	AI	Giannella, "Escherichia coli heat-stable enterotoxins, guanylin, and their receptors: What are they and what do they do?" <u>The Journal of Laboratory and Clinical Medicine</u> , Vol. 125, No. 2: pages 173-181 (1995).
	AJ	Gualillo et al., "Ghrelin, a widespread hormone: insights into molecular and cellular regulation of its expression and mechanism of action" <u>FEBS Letters</u> , Vol. 552: pages 105-109 (2003).
	AK	Guarino et al., "Citrobacter freundii Produces an 18-Amino-Acid Heat-Stable Enterotoxin Identical to the 18-Amino-Acid <i>Escherichia coli</i> Heat-Stable Enterotoxin (ST Ia)" <u>Infection and Immunity</u> , Vol. 57, No. 2: pages 649-652 (1989).
	AL	Huang et al., "Nucleotide sequence of a gene encoding the novel <i>Yersinia enterocolitica</i> heat-stable enterotoxin that includes a pro-region-like sequence in its mature toxin molecule" <u>Microbial Pathogenesis</u> , Vol. 22: pages 89-97 (1997).
	AM	Jain et al., "Sildenafil-induced peripheral analgesia and activation of the nitric oxide-cyclic GMP pathway" <u>Brain Research</u> , Vol. 909: pages 170-178 (2001).
	AN	Kim et al., "Changes in ghrelin and ghrelin receptor expression according to feeding status" <u>NeuroReport</u> , Vol. 14, No. 10: pages 1317-1320 (2003).
	AO	Lazaro-Ibanez et al., "Participation of the nitric oxide-cyclic GMP-ATP-sensitive $K^+$ channel pathway in the antinociceptive action of ketorolac" <u>European Journal of Pharmacology</u> , Vol. 426: pages 39-44 (2001).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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### Other Documents (include Author, Title, Date, and Place of Publication)

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	AP	Moseley et al., "Isolation and Nucleotide Sequence Determination of a Gene Encoding a Heat-Stable Enterotoxin of <i>Escherichia Coli</i> " <u>Infection and Immunity</u> , Vol. 39, No. 3: pages 1167-1174 (1983).
	AQ	Nzegwu et al., "Luminal capsaicin inhibits fluid secretion induced by enterotoxin <i>E. coli</i> STa, but not by carbachol, <i>in vivo</i> in rat small and large intestines" <u>Experimental Physiology</u> , Vol. 81, No. 2: pages 313-315 (1996).
	AR	Rolfe et al., "Enterotoxin <i>Escherichia coli</i> STa activates a nitric oxide-dependent myenteric plexus secretory reflex in the rat ileum" <u>The Journal of Physiology</u> , Vol. 475, No. 3: pages 531-537 (1994).
	AS	Rolfe et al., "Vagotomy inhibits the jejunal fluid secretion activated by luminal ileal <i>Escherichia coli</i> STa in the rat <i>in vivo</i> " <u>GUT</u> , Vol. 44: pages 615-619 (1999).
	AT	Shailubhai, "Therapeutic applications of guanylate cyclase-C receptor agonists" <u>Drug Discovery &amp; Development</u> , Vol. 5 No. 2: pages 261-268 (2002).
	AU	So et al., "Nucleotide Sequence of the Bacterial Transposon Tn1681 Encoding a Heat-Stable (ST) Toxin and Its Identification in Enterotoxigenic <i>Escherichia coli</i> Strains" <u>Proceedings of the National Academy of Sciences of the U.S.A.</u> , Vol. 77, No. 7 [Part 2: Biological Sciences]: pages 4011-4015 (1980).
	AV	Soares, et al., "Dibutyl-cyclic GMP induces peripheral antinociception <i>via</i> activation of ATP-sensitive K <sup>+</sup> channels in the RAT PGE <sub>2</sub> -induced hyperalgesic paw" <u>British Journal of Pharmacology</u> , Vol. 134: pages 127-131 (2001).
	AW	Takao et al., "Amino acid sequence of heat-stable enterotoxin produced by <i>Vibrio cholerae</i> non-01" <u>FEBS</u> , Vol. 193, number 2: pages 250-254 (1985).
	AX	Takao et al., "Isolation, primary structure and synthesis of heat-stable enterotoxin produced by <i>Yersinia enterocolitica</i> " <u>European Journal of Biochemistry</u> , Vol. 152, No. 1: pages 199-206 (1985).
	AY	Vaandrager et al., "Structure and function of the heat-stable enterotoxin receptor/guanylyl cyclase C" <u>Molecular and Cellular Biochemistry</u> , Vol. 230, Nos. 1&2: pages 73-83 (2002).
	AZ	GenBank Accession No. QHECIB; GI:69638; Aimoto et al., June 18, 1999.
	AAA	GenBank Accession No. P01559; GI:123711; So et al., October 25, 2004.
	ABB	GenBank Accession No. AAA24653; GI:147878; Sekizaki et al., April 26, 1993.
	ACC	GenBank Accession No. P01560; GI:123707; Chan et al., June 15, 2004.
	ADD	GenBank Accession No. AAA27561; GI:295439; Ogawa et al., June 12, 1993.
	AEE	GenBank Accession No. P04429; GI:123712; Ogawa et al., June 15, 2004.
	AFF	GenBank Accession No. S34671; GI:421286; Rossolini et al., April 12, 1995.
	AGG	GenBank Accession No. CAA52209; GI:395161; Guglielmetti et al., July 27, 1995.
	AHH	GenBank Accession No. A54534; GI:628844; Arita et al., May 3, 1996.
	AII	GenBank Accession No. AAL02159; GI:15592919; Teixeira et al., September 13, 2001.
	AJJ	GenBank Accession No. AAA18472; GI:487395; Mikulskis et al., May 26, 1994.
	AKK	GenBank Accession No. S25659; GI:282047; Takao et al., October 15, 1999.

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	ALL	GenBank Accession No. P74977; GI:3913874; Ramamurthy et al., June 15, 2004.
	AMM	GenBank Accession No. BAA23656; GI:2662339; Huang et al., February 13, 1999.
	ANN	GenBank Accession No. P31518; GI:399947; Ibrahim et al., March 15, 2004.
	AOO	GenBank Accession No. P07965; GI:3915589; Stieglitz et al., June 15, 2004.
	APP	

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